

WEST**Generate Collection****Print****Search Results - Record(s) 1 through 1 of 1 returned.**

1. Document ID: WO 9413810 A1, AU 9456891 A, EP 674712 A1, JP 08506482 W, AU 680855 B, NZ 258824 A, EP 674712 A4, JP 11346788 A, US 6031087 A, JP 2000175581 A, US 6261821 B1

L6: Entry 1 of 1

File: DWPI

Jun 23, 1994

DERWENT-ACC-NO: 1994-217886

DERWENT-WEEK: 200147

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TITLE: Nicotiana alata type II serine protease inhibitor precursor and DNA - useful in prodn of anti-pathogen or anti-predator constructs for plants.

INVENTOR: ANDERSON, M A; ATKINSON, A H ; CLARKE, A E ; HEATH, R L

PRIORITY-DATA: 1992AU-0006399 (December 16, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9413810 A1	June 23, 1994	E	083	C12N015/29
AU 9456891 A	July 4, 1994		000	C12N015/29
EP 674712 A1	October 4, 1995	E	000	C12N015/29
JP 08506482 W	July 16, 1996		079	C12N015/09
AU 680855 B	August 14, 1997		000	C12N015/29
NZ 258824 A	November 24, 1997		000	C12N015/57
EP 674712 A4	January 1, 1997		000	C12N015/29
JP 11346788 A	December 21, 1999		069	C12N015/09
US 6031087 A	February 29, 2000		000	C07H021/04
JP 2000175581 A	June 27, 2000		037	A01H005/00
US 6261821 B1	July 17, 2001		000	C12N009/50

INT-CL (IPC): A01 H 1/00; A01 H 5/00; C07 H 21/04; C07 K 5/10; C07 K 7/06; C07 K 7/08;
 C07 K 7/10; C07 K 13/00; C07 K 14/81; C12 N 1/20; C12 N 5/04; C12 N 9/50; C12 N 9/76;
 C12 N 15/09; C12 N 15/29; C12 N 15/57; C12 N 15/82; C12 P 21/06

Full	Title	CIT.1	REV.1	CLS.1	REF.1	SEQ.1	ATT.1		
Full	Title								

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Terms	Documents
R1-X1-X2-ASN-ASP-R2	1

WEST Search History

DATE: Friday, May 03, 2002

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side		result set	
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
L6	R1-X1-X2-ASN-ASP-R2	1	L6
L5	protease sensitive peptide?	2	L5
L4	protease-sensitive peptide?	0	L4
L3	protease-sensititive peptide?	0	L3
L2	protease-sentitive peptide?	0	L2
L1	protease sentitive peptide	0	L1

END OF SEARCH HISTORY

WEST Search History

DATE: Friday, May 03, 2002

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side		result set	
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
L3	protease sensitive peptide	7	L3
L2	proteinase sensitive peptide	0	L2
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
L1	6031087	2	L1

END OF SEARCH HISTORY

WEST**End of Result Set** [Generate Collection](#) [Print](#)

L1: Entry 2 of 2

File: USPT

Feb 29, 2000

US-PAT-NO: 6031087DOCUMENT-IDENTIFIER: US 6031087 A

TITLE: Proteinase inhibitor, precursor thereof and genetic sequences encoding same

DATE-ISSUED: February 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; Marilyn Anne	Keilor			AUX
Atkinson; Angela Hilary	Montrose			AUX
Heath; Robyn Louise	Williamstown			AUX
Clarke; Adrienne Elizabeth	Parkville			AUX

US-CL-CURRENT: 536/23.2; 435/213, 435/219, 435/252.3, 435/320.1, 435/69.1, 536/23.6,
800/279

CLAIMS:

We claim:

1. An isolated nucleic acid comprising a sequence of nucleotides which encodes or is complementary to a sequence which encodes a type II serine proteinase inhibitor (PI) precursor from a plant wherein said isolated nucleic acid has the nucleotide secuence set forth in SEQ ID NO:1 or hybridizes to the nucleotide sequence set forth in SEQ ID NO:1 under the conditions of at least one of 4.times.SSC at room temperature, 2.times.SSC at room temperature, 1.times.SSC at 40.degree. C., 2.times.SSC with 0.1% w/v SDS at 68.degree. C., or 0.2.times.SSC with 1% w/v SDS at 68.degree. C., wherein said precursor comprises at least three PI monomers and wherein at least one of said monomers has a chymotrypsin specific site and at least one of said monomers has a trypsin specific site.
2. An isolated nucleic acid according to claim 1 wherein said PI precursor comprises at least four monomers.
3. An isolated nucleic acid according to claim 1 wherein the PI precursor comprises at least five monomers.
4. An isolated nucleic acid according to claim 1 wherein the PI precursor comprises at least six monomers.
5. An isolated nucleic acid comprising a sequence of nucleotides according to claim 1 which encodes or is complementary to a sequence which encodes a single type II serine proteinase inhibitor (PI) having either a chymotrypsin specific site or a trypsin specific site and wherein said PI is a monomer of a precursor PI having at least three monomers of which at least one of said monomers has a chymotrypsin site and the other of said monomers has a trypsin site.
6. An isolated nucleic acid according to claim 1 or claim 5 which encodes a peptide selected from the group consisting of SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO: 8, SEQ ID NO:9, or SEQ ID NO:10.
7. A method of increasing or enhancing resistance of a plant to insect or other

pathogen infestation, said method comprising introducing a nucleic acid molecule as defined in any one of claims 1, 2, 3, 4, or 5 into a cell or group of cells of said plant, regenerating a plant therefrom and growing said plant for a time and under conditions sufficient to permit expression of said nucleic acid into a proteinase inhibitor (PI) or precursor thereof which inhibits growth and infestation by said pathogen.

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 7 of 7 returned.** 1. Document ID: US 6326179 B1

L3: Entry 1 of 7

File: USPT

Dec 4, 2001

US-PAT-NO: 6326179

DOCUMENT-IDENTIFIER: US 6326179 B1

TITLE: Catalytic antibodies and a method of producing same

DATE-ISSUED: December 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
Koentgen; Frank	Lower Templestowe, Victoria		AUX
Suess; Gabriele Maria	Lower Templestowe		AUX
Tarlington; David Mathew	Blackburn		AUX
Treutlein; Herbert Rudolf	Moonee Ponds		AUX

US-CL-CURRENT: 435/188.5; 424/175.1, 424/94.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC
Draw Desc	Image										

 2. Document ID: US 6261821 B1

L3: Entry 2 of 7

File: USPT

Jul 17, 2001

US-PAT-NO: 6261821

DOCUMENT-IDENTIFIER: US 6261821 B1

TITLE: Proteinase inhibitor, precursor thereof and genetic sequences encoding same

DATE-ISSUED: July 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; Marilyn Anne	Keilor			AUX
Atkinson; Angela Hilary	Montrose			AUX
Heath; Robyn Louise	Williamstown			AUX
Clarke; Adrienne Elizabeth	Parkville			AUX

US-CL-CURRENT: 435/219; 435/213, 435/252.3, 435/320.1, 435/69.1, 536/23.1, 536/23.2,
536/23.6, 800/279

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC
Draw Desc	Image										

3. Document ID: US 6103519 A

L3: Entry 3 of 7

File: USPT

Aug 15, 2000

US-PAT-NO: 6103519

DOCUMENT-IDENTIFIER: US 6103519 A

TITLE: Antigens and methods therefor

DATE-ISSUED: August 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Comberbach; Martin	La Hulpe			BEX
Harford; Nigel	Overijse			BEX
Cabezon; Teresa	Rhode-St-Genese			BEX
Rutgers; Apolonia	Genval			BEX
Voet; Pierre	Izel			BEX
Jacobs; Eric	Bas-Rhin			FRX
Hollenberg; Cornelis P.	Dusseldorf			DEX
Janowicz; Zbigniew A.	Erkrath			DEX
Merckelbach; Armin J.	Dusseldorf			DEX

US-CL-CURRENT: 435/320.1; 435/69.1, 435/69.3, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw	Desc	Image								

KMC

 4. Document ID: US 6043069 A

L3: Entry 4 of 7

File: USPT

Mar 28, 2000

US-PAT-NO: 6043069

DOCUMENT-IDENTIFIER: US 6043069 A

TITLE: Catalytic antibodies and a method of producing same

DATE-ISSUED: March 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koentgen; Frank	Lower Templestowe			AUX
Suess; Gabriele Maria	Lower Templestowe			AUX
Tarlinton; David Mathew	Blackburn			AUX
Treutlein; Herbert Rudolf	Moonee Ponds			AUX

US-CL-CURRENT: 435/188.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw	Desc	Image								

KMC

 5. Document ID: US 6031087 A

L3: Entry 5 of 7

File: USPT

Feb 29, 2000

US-PAT-NO: 6031087
 DOCUMENT-IDENTIFIER: US 6031087 A

TITLE: Proteinase inhibitor, precursor thereof and genetic sequences encoding same
 DATE-ISSUED: February 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; Marilyn Anne	Keilor			AUX
Atkinson; Angela Hilary	Montrose			AUX
Heath; Robyn Louise	Williamstown			AUX
Clarke; Adrienne Elizabeth	Parkville			AUX

US-CL-CURRENT: 536/23.2; 435/213, 435/219, 435/252.3, 435/320.1, 435/69.1, 536/23.6,
800/279

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

 6. Document ID: JP 11346788 A

L3: Entry 6 of 7

File: JPAB

Dec 21, 1999

PUB-NO: JP411346788A

DOCUMENT-IDENTIFIER: JP 11346788 A

TITLE: PROTEINASE INHIBITOR, ITS PRECURSOR AND GENE ARRANGEMENT ENCODING THE SAME

PUBN-DATE: December 21, 1999

INVENTOR-INFORMATION:

NAME	COUNTRY
ANDERSON, MARILYN ANNE	
ATKINSON, ANGELA HILARY	
HEATH, ROBYN LOUISE	
CLARKE, ADRIENNE ELIZABETH	

INT-CL (IPC): C12 N 15/09; C07 K 14/81; A01 H 5/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Clip Img	Image								

 7. Document ID: WO 9413810 A1, AU 9456891 A, EP 674712 A1, JP 08506482 W, AU 680855 B, NZ 258824 A, EP 674712 A4, JP 11346788 A, US 6031087 A, JP 2000175581 A, US 6261821 B1

L3: Entry 7 of 7

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Jun 23, 1994

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DERWENT-WEEK: 200147

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US 6261821 B1	July 17, 2001		000	C12N009/50

INT-CL (IPC) : A01 H 1/00; A01 H 5/00; C07 H 21/04; C07 K 5/10; C07 K 7/06; C07 K 7/08;
C07 K 7/10; C07 K 13/00; C07 K 14/81; C12 N 1/20; C12 N 5/04; C12 N 9/50; C12 N 9/76;
C12 N 15/09; C12 N 15/29; C12 N 15/57; C12 N 15/82; C12 P 21/06

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMD
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Terms	Documents
protease sensitive peptide	7

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